

What is claimed is:

Claim 1:           A magnetic disk apparatus comprising:

a recording medium for recording thereon data;

a head for recording the data on said recording medium;

an interface circuit for interfacing with an external appliance;

a hard disk controller for transferring/receiving the data between said interface circuit and the own hard disk controller; and

a signal processing circuit equipped with a coding device for coding the data outputted from said hard disk controller, while restricting a continuous number of "1" contained in a bit stream of a code word.